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Intrapartum management of nonreassuring fetal heart rate patterns: a randomized control trial of fetal pulse oximetry (Kühnert and Schmidt). 2004;191:1989-95
Quality of intrapartum cardiotocography in twin deliveries (Bakker et al). 2004;191:2114-9
ST segment analysis of the fetal electrocardiogram plus electronic fetal heart rate monitoring in labor and its relationship to umbilical cord arterial blood gases (Dervaitis et al). 2004;191:879-84

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Pregnancy outcome in women with prosthetic heart valves (Nassar et al). 2004;191:1009-13

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Paris heat wave and oligohydramnios (Luton et al). 2004;191:2103-5

Heat shock proteins
Polymorphisms in the tumor necrosis factor-α gene at position −308 and the inducible 70 kd heat shock protein gene at position +1267 in multifetal pregnancies and preterm premature rupture of fetal membranes (Kalish et al). 2004;191:1368-74

Hemorrhage
Quantification of fetomaternal hemorrhage: a comparative study of the manual and automated microscopic Kleihauer-Betke tests and flow cytometry in clinical samples (Pelikan et al). 2004;191:551-7

Heparin
Adverse effects of lupus anticoagulant positive blood sera on placental viability can be prevented by heparin in vitro (Bose et al). 2004;191:2125-31
A prospective trial that demonstrates that dalteparin requirements increase in pregnancy to maintain therapeutic levels of anticoagulation (Barbour et al). 2004;191:1024-9
Thromboprophylaxis and pregnancy: two randomized controlled pilot trials that used low-molecular-weight heparin (Gates et al). 2004;191:1296-303

Hepatitis B virus
Uptake of hepatitis B virus into choriocarcinoma cells in the presence of proinflammatory cytokine tumor necrosis factor-α (Wang et al). 2004;191:1971-8

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Elective cesarean delivery to prevent perinatal transmission of hepatitis C virus: a cost-effectiveness analysis (Plunkett and Grobman). 2004;191:998-1003

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Cost-effectiveness of herpes simplex virus type 2 serologic testing and antiviral therapy in pregnancy (Baker et al). 2004;191:2074-84
Managing the sexually transmitted disease pandemic: a time for reevaluation (Genuis and Genuis). 2004;191:1103-12 (AJOG reviews)

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A practical approach to the diagnosis of polycystic ovary syndrome (Chang). 2004;191:713-7 (Clin. opinion)
The prevalence of androgen excess among patients with minimal unwanted hair growth (Souter et al). 2004;191:1914-20

Histamine agonists
Induction of premature labor and delivery by allergic reaction and prevention by histamine H1 receptor antagonist (Bytautiene et al). 2004;191:1356-61

Histology
A histologic and immunohistochemical analysis of defective vaginal healing after continence taping procedures: a prospective case-controlled pilot study (Wang et al). 2004;191:1868-74 (Clinical opinion)

Histone deacetylase
The epigenetics of ovarian cancer drug resistance and resensitization (Balch et al). 2004;191:1552-72 (AJOG reviews)

Histopathology
Are histopathologic chorioamnionitis and funisitis associated with metabolic acidosis in the preterm fetus? (Holcroft et al). 2004;191:2010-5

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The impact of protease inhibitors on maternal serum screening analyte levels in pregnant women who are HIV positive (Einstein et al). 2004;191:1004-8
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Maternal serum α-fetoprotein and human chorionic gonadotropin levels in women with human immunodeficiency virus (Kellner and Mizejewski). 2004;191:384-5 (Letter)
Morbidity that is associated with curettage for the management of spontaneous and induced abortion in women who are infected with HIV (Stuart et al). 2004;191:993-7

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Homocysteine and antiphospholipid antibodies in a woman undergoing ovarian follicular stimulation: prospective clinical and laboratory evaluation (Grandone et al). 2004;191:370-1
Homocysteine thiolactone induces apoptosis in cultured human trophoblasts: a mechanism for homocysteine-mediated placental dysfunction? (Kamudhamas et al). 2004;191:563-71
Serum homocysteine levels after preterm premature rupture of the membranes (Knudtson et al). 2004;191:537-41

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Hospitals
Labor induction with dinoprostone or oxytocine and postpartum disseminated intravascular coagulation: a hospital-based case-control study (De Abajo et al). 2004;191:1637-43

Hospitals, university
Accidental fetal lacerations during cesarean delivery: experience in an Italian level III university hospital (Dessole et al). 2004;191:1673-7

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HOXA11 gene; *see* Genes

HPV; *see* Papillomaviruses

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Hyaline membrane disease
The association between hyaline membrane disease and preeclampsia (Chang et al). 2004;191:1414-7
Characterization of corticosteroid redosing in an in vitro cell line model (Vidaeff et al). 2004;191:1403-8

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The borderline or weakly positive Hybrid Capture II HPV test: a statistical and comparative (PCR) analysis (Federschneider et al). 2004;191:757-61
Hybrid capture 2 viral load and the 2-year cumulative risk of cervical intraepithelial neoplasia grade 3 or cancer (Castle et al). 2004;191:1590-7
Putative gene loci associated with carcinogenesis and metastasis of endocervical adenocarcinomas of uterus determined by conventional and array-based CGH (Hirai et al). 2004;191:1173-82

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Are racial differences in vaginal pH explained by vaginal flora? (Fiscella and Klebanoff). 2004;191:747-50
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Hydrops; *see* Edema

Hypersensitivity
Induction of premature labor and delivery by allergic reaction and prevention by histamine H1 receptor antagonist (Bytautiene et al). 2004;191:1356-61

Hypertension
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Vulvitis granulomatosa and unilateral hypertrophy of the vulva related to Crohn's disease: a case report (Günthert et al). 2004;191:1719-20

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Hypogonadotropic hypogonadism in a female with the Johnson-McMillin syndrome (De Metsenaere et al). 2004;191:1728-9

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Preeclampsia-like syndrome that is associated with severe hypothyroidism in a 20-week pregnant woman (Alfadda and Tamilia). 2004;191:1723-4

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Clinical opinion: guidelines for hysterectomy (Kovac). 2004;191:635-40
Completion hysterectomy after radiation therapy for bulky cervical cancer stages IB, IIA, and IIB: complications and survival rates (Decker et al). 2004;191:654-60
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Laparoscopic supracervical hysterectomy (Jenkins). 2004;191:1875-84 (Review article)
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Hysteroscopic injection of tracers in sentinel node detection of endometrial cancer: a feasibility study (Raspagliesi et al). 2004;191:435-9
A new device for "no touch" biopsy at "no touch" hysteroscopy: the H Pipelle (Di Spiezio Sardo et al). 2004;191:157-8

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The immunologic profile of infants born after maternal immunoglobulin treatment and intrauterine platelet transfusions for fetal/neonatal alloimmune thrombocytopenia (Radder et al). 2004;191:815-20
Pregnancy discovered after smallpox vaccination: is vaccinia immune globulin appropriate? (Napolitano et al). 2004;191:1863-7 (Clinical opinion)

Imaging; *see* Diagnostic imaging

Immunity
The novel antimicrobial peptide β3-defensin is produced by the amnion: a possible role of the fetal membranes in innate immunity of the amniotic cavity (Buhimschi et al). 2004;191:1678-87

Immunohistochemistry
A histologic and immunohistochemical analysis of defective vaginal healing after continence taping procedures: a prospective case-controlled pilot study (Wang et al). 2004;191:1868-74 (Clinical opinion)

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Incidence, severity, and determinants of perineal pain after vaginal delivery: a prospective cohort study (Macarthur and Macarthur). 2004;191:1199-204

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Is indomethacin harmful for fetus? How much? (Ceres et al) (Letter); (Abbasi and Ludmir) (Reply). 2004;191:1834-6

Induced ovulation; *see* Ovulation induction

Induction of labor; *see* Labor, induced

Infant
Adverse outcomes after preterm labor are associated with tumor necrosis factor-α polymorphism—863, but not—308, in mother-infant pairs (Amory et al). 2004;191:1362-7
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Infant, large for gestational age
Evaluation of body composition of large-for-gestational-age infants of women with gestational diabetes mellitus compared with women with normal glucose tolerance levels (Durnwald et al). 2004;191:804-8

Infant, low birth weight
The effects of the time interval from antenatal corticosteroid exposure to delivery on neonatal outcome of very low birth weight infants (Sehdev et al). 2004;191:1409-13
Outcome of extremely-low-birth-weight infants at highest risk: gestational age ≤24 weeks, birth weight ≤750 g, and 1-minute Apgar ≤3 (Shankaran et al). 2004;191:1084-91 (Editors' choice)

Infant, newborn
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Fetal phenotypes and neonatal and early childhood outcomes in twins (Luke et al). 2004;191:1270-6
How long is too long: does a prolonged second stage of labor in nulliparous women affect maternal and neonatal outcomes? (Cheng et al). 2004;191:933-8
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Neonatal morbidity in second twin according to gestational age at birth and mode of delivery (Wen et al). 2004;191:773-7
Neonatal mortality in second twin according to cause of death, gestational age, and mode of delivery (Wen et al). 2004;191:778-83
Newborn screening can readily become part of prenatal care (Dolan and Green) (Letter); (Ross and Campbell) (Reply). 2004;191:2180-2
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Infant, newborn, diseases
Are histopathologic chorioamnionitis and funisitis associated with metabolic acidosis in the preterm fetus? (Holcroft et al). 2004;191:2010-5
Combination treatment of neonatal rats with hypoxia-ischemia and endotoxin induces long-lasting memory and learning impairment that is associated with extended cerebral damage (Ikeda et al). 2004;191:2132-41
The immunologic profile of infants born after maternal immunoglobulin treatment and intrauterine platelet transfusions for fetal/neonatal alloimmune thrombocytopenia (Radder et al). 2004;191:815-20
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Infant, premature
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Preterm twins: what threshold of birth weight discordance heralds major adverse neonatal outcome? (Vergani et al). 2004;191:1441-5
Structural proteins during brain development in the preterm and near-term ovine fetus and the effect of intermittent umbilical cord occlusion (Rocha et al). 2004;191:497-506
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Umbilical cord plasma interleukin-6 concentrations in preterm infants and risk of neonatal morbidity (Goepfert et al). 2004;191:1375-81
What antepartum fetal test should guide the timing of delivery of the preterm growth-restricted fetus? A decision-analysis (Odibo et al). 2004;191:1477-82

Infant, premature, diseases
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Interleukin-6, interleukin-8, and soluble tumor necrosis factor receptor-I in the cord blood as predictors of chronic lung disease in premature infants (An et al). 2004;191:1649-54
Necrotic cell injury in the preterm and near-term ovine fetal brain after intermittent umbilical cord occlusion (Rocha et al). 2004;191:488-96

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Infant, small for gestational age
Placental corticotropin-releasing hormone (CRH), spontaneous preterm birth, and fetal growth restriction: a prospective investigation (Wadhwa et al). 2004;191:1063-9 (Editors' choice)

Infection
Maternal infection-induced white matter injury is reduced by treatment with interleukin-10 (Rodts-Palenik et al). 2004;191:1387-92
Meconium-stained amniotic fluid (MSF) (Connolly) (Letter); (Tran et al) (Reply). 2004;191:2175-6
Neonatal cerebral white matter injury in preterm infants is associated with culture positive infections and only rarely with metabolic acidosis (Graham et al). 2004;191:1305-10
Persistence of human papillomavirus infection as a predictor for recurrence in carcinoma of the cervix after radiotherapy (Nagai et al). 2004;191:1907-13

Infertility
The development of a computer-assisted curriculum in reproductive endocrinology and infertility for residents (Alvero et al). 2004;191:1777-81
A randomized, multicenter study comparing the efficacy of recombinant FSH vs recombinant FSH with Ganirelix during superovulation/IUI therapy (Williams et al). 2004;191:648-53
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Inflammation
Clinical significance of intra-amniotic inflammation in patients with preterm premature rupture of membranes (Shim et al). 2004;191:1339-45
Host response after reconstruction of abdominal wall defects with porcine dermal collagen in a rat model (Zheng et al). 2004;191:1961-70
Preeclampsia: an inflammatory syndrome? (Sibai). 2004;191:1061-2 (Editorial)
The thrombogenic effect of an inflammatory cytokine on trophoblasts from women with preeclampsia (Kwaan et al). 2004;191:2142-7
Uptake of hepatitis B virus into choriocarcinoma cells in the presence of proinflammatory cytokine tumor necrosis factor-α (Wang et al). 2004;191:1971-8

Infusions, intravenous
Labor induction in women with an unfavorable Bishop score: randomized controlled trial of intrauterine Foley catheter with concurrent oxytocin infusion versus Foley catheter with extra-amniotic saline infusion with concurrent oxytocin infusion (Guinn et al). 2004;191:225-9
Randomized comparison of intravenous nitroglycerin and subcutaneous terbutaline for external cephalic version under tocolysis (El-Sayed et al). 2004;191:2051-5

Inhibin
Increased intercycle variability of FSH and estradiol associated with increased chronological age (Brown and Berkeley) (Letter); (Jain and Soules) (Reply). 2004;191:678-9. Correction 2004;191:1262

Injections, subcutaneous
The occurrence of adverse events in women receiving continuous subcutaneous terbutaline therapy (Elliott et al). 2004;191:1277-82
Randomized comparison of intravenous nitroglycerin and subcutaneous terbutaline for external cephalic version under tocolysis (El-Sayed et al). 2004;191:2051-5

Insemination, artificial
A randomized, multicenter study comparing the efficacy of recombinant FSH vs recombinant FSH with Ganirelix during superovulation/IUI therapy (Williams et al). 2004;191:648-53

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The association between preeclampsia and the severity of gestational diabetes: the impact of glycemic control (Yogev et al). 2004;191:1655-60
Insulin enhances the transcription of luteinizing hormone-β gene (Dorn et al). 2004;191:132-7

Insurance, health
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Interexaminer variability; *see* Observer variation

Interferon-alpha
Interferon alfa treatment for pregnant women affected by essential thrombocythemia: case reports and a review (Martinelli et al). 2004;191:2016-20

Interferon-gamma
Interferon-γ expression is an independent prognostic factor in ovarian cancer (Marth et al). 2004;191:1598-605

Interleukin-1
Interleukins-1, -4, -6, -10, tumor necrosis factor, transforming growth factor-β, FAS, and mannose-binding protein C gene polymorphisms in white Australian women: risk of preterm birth (Annells et al). 2004;191:2056-67

Interleukin-4
Interleukins-1, -4, -6, -10, tumor necrosis factor, transforming growth factor-β, FAS, and mannose-binding protein C gene polymorphisms in white Australian women: risk of preterm birth (Annells et al). 2004;191:2056-67

Interleukin-6
Interleukin-6, but not relaxin, predicts outcome of rescue cerclage in women with cervical incompetence (Lee et al). 2004;191:784-9

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Umbilical cord plasma interleukin-6 concentrations in preterm infants and risk of neonatal morbidity (Goepfert et al). 2004;191:1375-81

Interleukin-8
Interleukin-6, interleukin-8, and soluble tumor necrosis factor receptor-I in the cord blood as predictors of chronic lung disease in premature infants (An et al). 2004;191:1649-54

Interleukin-10
Interleukins-1, -4, -6, -10, tumor necrosis factor, transforming growth factor-β, FAS, and mannose-binding protein C gene polymorphisms in white Australian women: risk of preterm birth (Annells et al). 2004;191:2056-67
Maternal infection-induced white matter injury is reduced by treatment with interleukin-10 (Rodts-Palenik et al). 2004;191:1387-92

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The development of a computer-assisted curriculum in reproductive endocrinology and infertility for residents (Alvero et al). 2004;191:1777-81
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Teaching residents how to teach improves quality of clerkship (Hammoud et al). 2004;191:1741-5

Intraperitoneal neoplasms; *see* Peritoneal neoplasms

Intrauterine growth restriction; *see* Fetal growth retardation

Intravaginal administration; *see* Administration, intravaginal

Introns
Polymorphism in intron 2 of the interleukin-1 receptor antagonist gene, local midtrimester cytokine response to vaginal flora, and subsequent preterm birth (Genc et al). 2004;191:1324-30

Ion transport
Stimulation of distal airspace fluid clearance in guinea pigs involves bumetanide-sensitive ion transport (Ye et al). 2004;191:340-5

Ischemia
Combination treatment of neonatal rats with hypoxia-ischemia and endotoxin induces long-lasting memory and learning impairment that is associated with extended cerebral damage (Ikeda et al). 2004;191:2132-41

Italy
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Job satisfaction
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Johnson-McMillin syndrome
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Jurisprudence
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Karyotyping
First-trimester fetal reduction to a singleton infant or twins: outcome in relation to the final number and karyotyping before reduction by transabdominal chorionic villus sampling (Brambati et al). 2004;191:2035-40

Ketorolac
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Kidney diseases
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Kininase II
Angiotensin-converting enzyme gene polymorphism in preeclampsia and normal pregnancy (Galão et al). 2004;191:821-4

Kleihauer-Betke test
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Labor
- Accuracy of simulated cervical dilation and effacement measurements among practitioners (Huhn and Brost). 2004;191:1797-9
- Acupuncture for labor pain management: a systematic review (Lee and Ernst). 2004;191:1573-9 (AJOG reviews)
- Complementary and alternative medicine for labor pain: a systematic review (Huntley et al). 2004;191:36-44 (AJOG reviews)
- The continuing effectiveness of active management of first labor, despite a doubling in overall nulliparous cesarean delivery (Foley et al). 2004;191:891-5
- Defining fetal station (Carollo et al). 2004;191:1793-6
- The effect of early epidural versus early intravenous analgesia use on labor progression: a natural experiment (Vahratian et al). 2004;191:259-65
- Labor and delivery nurses: a survey of attitudes toward third-year medical students and their education (Capstick and Harley). 2004;191:1828-33
- Maternal outcomes at 2 years after planned cesarean section versus planned vaginal birth for breech presentation at term: the international randomized Term Breech Trial (Hannah et al). 2004;191:917-27
- Neonatal morbidity in second twin according to gestational age at birth and mode of delivery (Wen et al). 2004;191:773-7
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- Pregnancy-associated mortality after birth (Reardon and Coleman). 2004;191:1506-7 (Letter)
- Quality of intrapartum cardiotocography in twin deliveries (Bakker et al). 2004;191:2114-9
- Racial and ethnic disparities in the provision of epidural analgesia to Georgia Medicaid beneficiaries during labor and delivery (Rust et al). 2004;191:456-62
- Randomized trial of McRoberts versus lithotomy positioning to decrease the force that is applied to the fetus during delivery (Poggi et al). 2004;191:874-8
- Sleep in late pregnancy predicts length of labor and type of delivery (Lee and Gay). 2004;191:2041-6
- ST segment analysis of the fetal electrocardiogram plus electronic fetal heart rate monitoring in labor and its relationship to umbilical cord arterial blood gases (Dervaitis et al). 2004;191:879-84

Labor, induced
- Active management of risk in pregnancy at term in an urban population: an association between a higher induction of labor rate and a lower cesarean delivery rate (Nicholson et al). 2004;191:1516-28 (Editors' choice)
- Cesarean delivery after elective induction in nulliparous women: the physician effect (Luthy et al). 2004;191:1511-5 (Editors' choice)
- Elective induction of labor: should we make a fuss? (Socol). 2004;191:1509-10 (Editorial)
- Induction of premature labor and delivery by allergic reaction and prevention by histamine H1 receptor antagonist (Bytautiene et al). 2004;191:1356-61
- Labor induction with dinoprostone or oxytocine and postpartum disseminated intravascular coagulation: a hospital-based case-control study (De Abajo et al). 2004;191:1637-43
- Labor induction in women with an unfavorable Bishop score: randomized controlled trial of intrauterine Foley catheter with concurrent oxytocin infusion versus Foley catheter with extra-amniotic saline infusion with concurrent oxytocin infusion (Guinn et al). 2004;191:225-9
- Modified Bishop's score and induction of labor in patients with a previous cesarean delivery (Bujold et al). 2004;191:1644-8
- A randomized trial comparing a 30-mL and an 80-mL Foley catheter balloon for preinduction cervical ripening (Levy et al). 2004;191:1632-6

Labor, premature
- Adverse outcomes after preterm labor are associated with tumor necrosis factor-α polymorphism—863, but not—308, in mother-infant pairs (Amory et al). 2004;191:1362-7
- Can shortened midtrimester cervical length predict very early spontaneous preterm birth? (Owen et al). 2004;191:298-303
- Cerclage for prevention of preterm birth in women with a short cervix found on transvaginal ultrasound examination: a randomized trial (Berghella et al). 2004;191:1311-7
- Does fetal fibronectin use in the diagnosis of preterm labor affect physician behavior and health care costs? A randomized trial (Grobman et al). 2004;191:235-40
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- Genome-wide expression profiling of fetal membranes reveals a deficient expression of proteinase inhibitor 3 in premature rupture of membranes (Tromp et al). 2004;191:1331-8
- Induction of premature labor and delivery by allergic reaction and prevention by histamine H1 receptor antagonist (Bytautiene et al). 2004;191:1356-61
- Interleukins-1, -4, -6, -10, tumor necrosis factor, transforming growth factor-β, FAS, and mannose-binding protein C gene polymorphisms in white Australian women: risk of preterm birth (Annells et al). 2004;191:2056-67
- Maternal corticotropin-releasing hormone, fetal growth, and preterm birth (Challis). 2004;191:1059-60 (Editorial)
- The novel antimicrobial peptide β3-defensin is produced by the amnion: a possible role of the fetal membranes in innate immunity of the amniotic cavity (Buhimschi et al). 2004;191:1678-87

Number and gestational age of prior preterm births does not modify the predictive value of a short cervix (Yost et al). 2004;191:241-6
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Polymorphism in intron 2 of the interleukin-1 receptor antagonist gene, local midtrimester cytokine response to vaginal flora, and subsequent preterm birth (Genc et al). 2004;191:1324-30
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